## **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC016001-01)

**Release Date:** 01/06/2024 **Re-test Date:** 31/05/2027

# **Clotrimazole Impurity 2**

#### **Identification**

**Chemical Name:** 

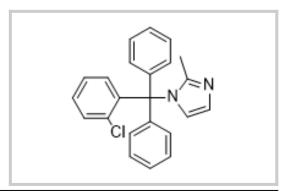
1-((2-chlorophenyl)diphenylmethyl)-2-methyl-1H-imidazole

**CAT No.** : KMC016001

**CAS No.** : 98751-53-2

Molecular Formula : C23H19ClN2

**Molecular Weight** : 358.86



### **Analytical Information**

**Batch No.** : CLO-IMP-2-073-233 **Solubility** : ACN

**Description** : Off White solid **Mass** : Confirm

**HPLC Purity** : 98.60 % **IR** : Confirm

Weight Loss By TGA : 1.06 % 1H NMR : Confirm

**% Potency** : 97.55 % **13C NMR** : Confirm

#### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 1.06(Weight Loss By TGA)] x [98.60(HPLC Purity)]/100 = 97.55 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		01/06/2024
Reviewed & Approved By	Quality Control	Parag Patel		01/06/2024

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR